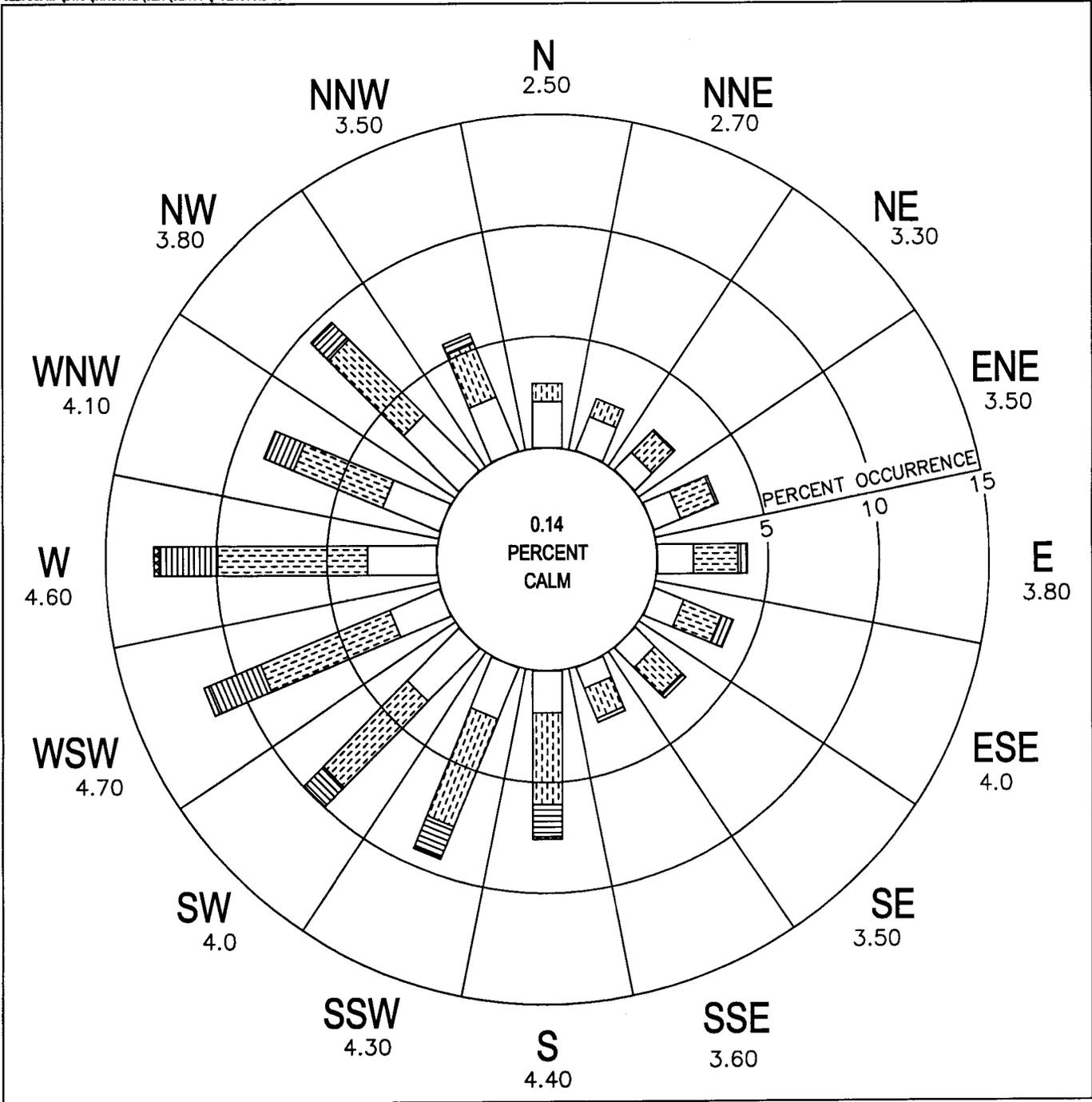


# *Appendix I*

## *Summary of Meteorological Data*



*On-site Meteorological Tower and Rain Gauge*



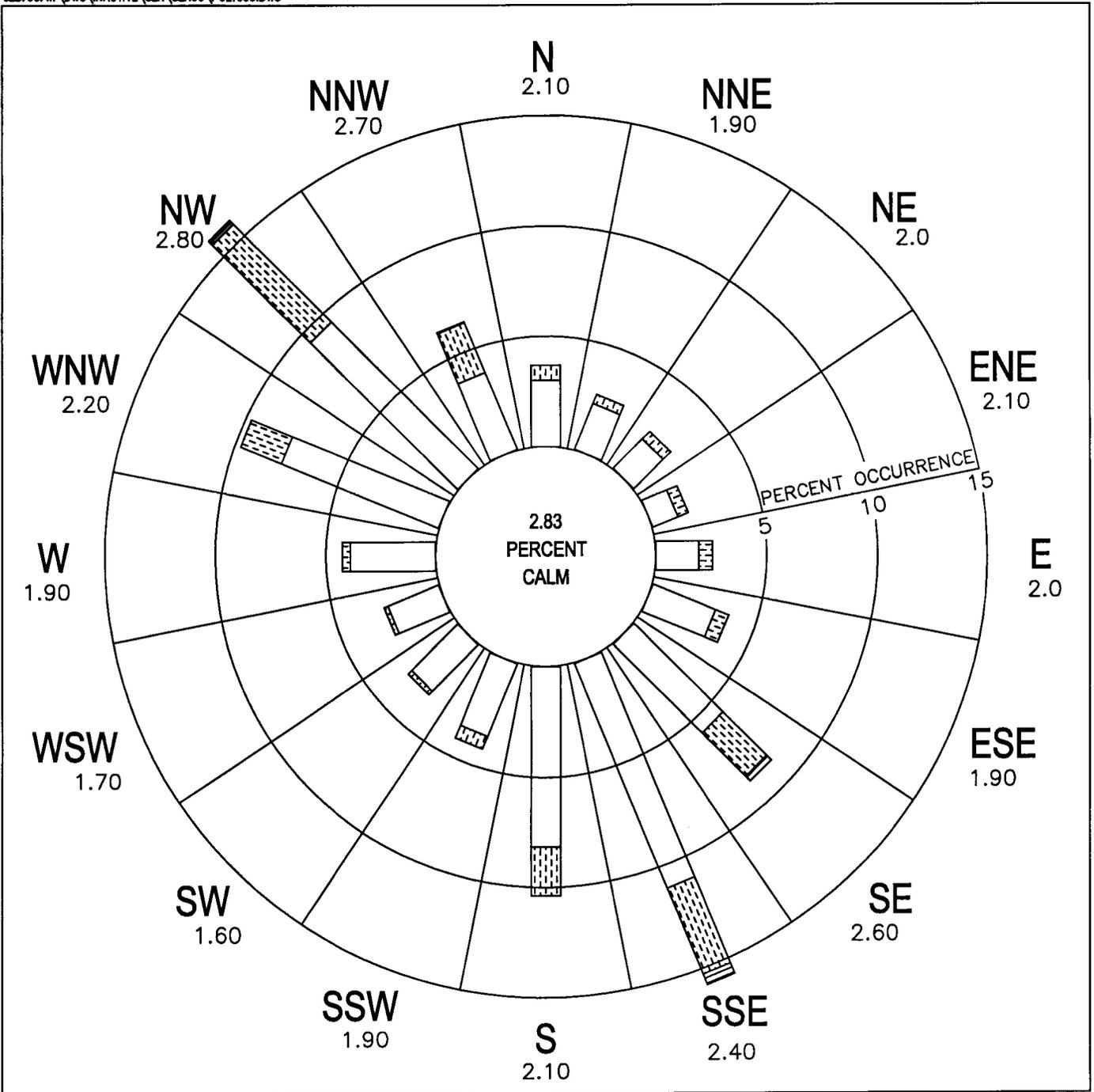
**WIND SPEED RANGE**

- 0.5 - 3.0 M/SEC
- >3.0 - 6.0
- >6.0 - 9.0
- >9.0 - 12.0
- >12.0

CALM <0.5

*NUMBERS INDICATE SECTOR MEAN WIND SPEED  
SECTORS ARE DIRECTIONS FROM WHICH THE WIND IS BLOWING*

West Valley Nuclear Services Co.  
 Regional Monitoring Station  
 West Valley, New York  
*Figure I-1*  
 10.0-Meter Wind Frequency Rose



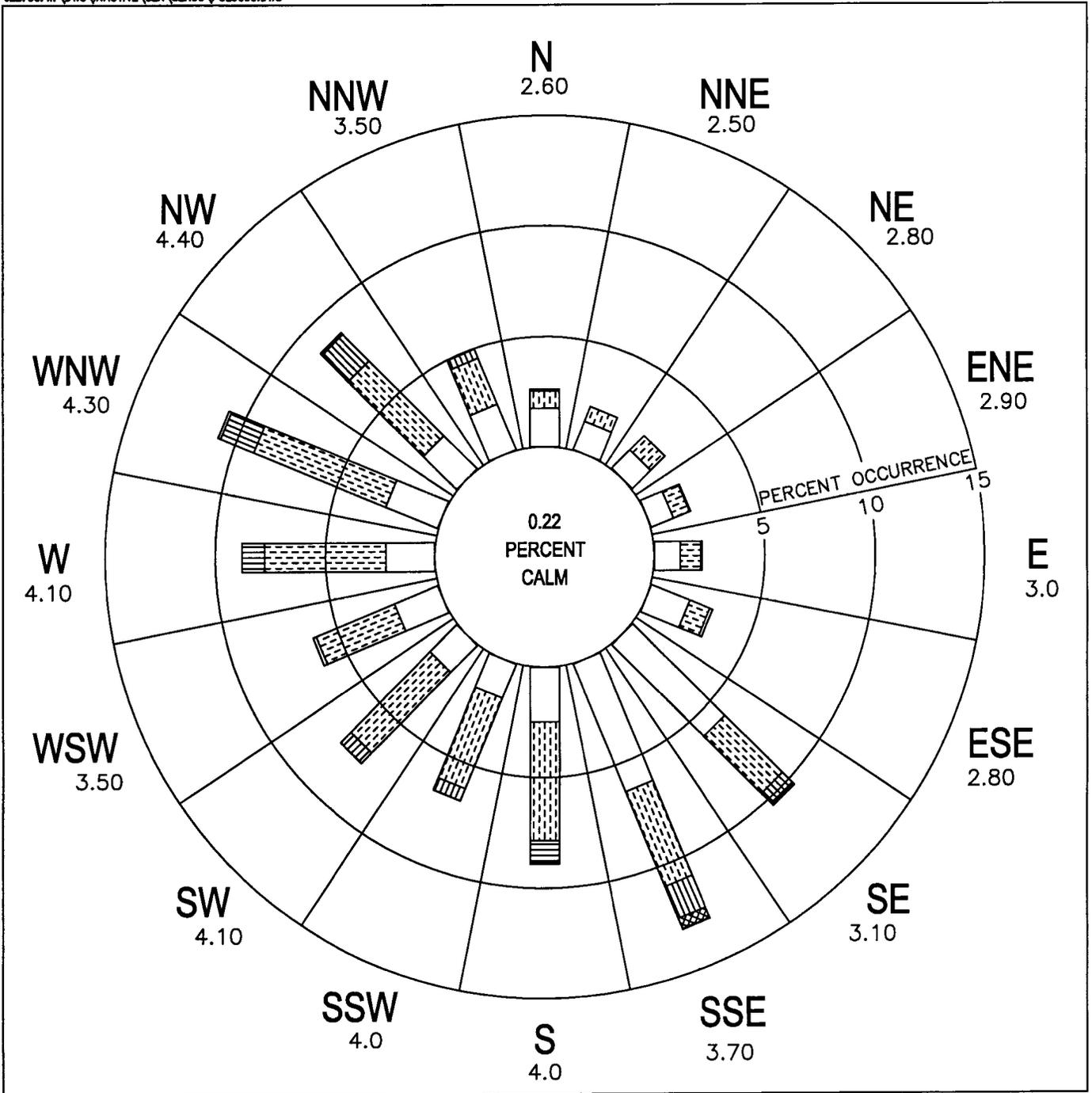
**WIND SPEED RANGE**

-  0.5 - 3.0 M/SEC
-  >3.0 - 6.0
-  >6.0 - 9.0
-  >9.0 - 12.0
-  >12.0

CALM <0.5

NUMBERS INDICATE SECTOR MEAN WIND SPEED  
SECTORS ARE DIRECTIONS FROM WHICH THE WIND IS BLOWING

West Valley Nuclear Services Co.  
Primary Monitoring Station  
West Valley, New York  
*Figure I-2*  
10.0-Meter Wind Frequency Rose



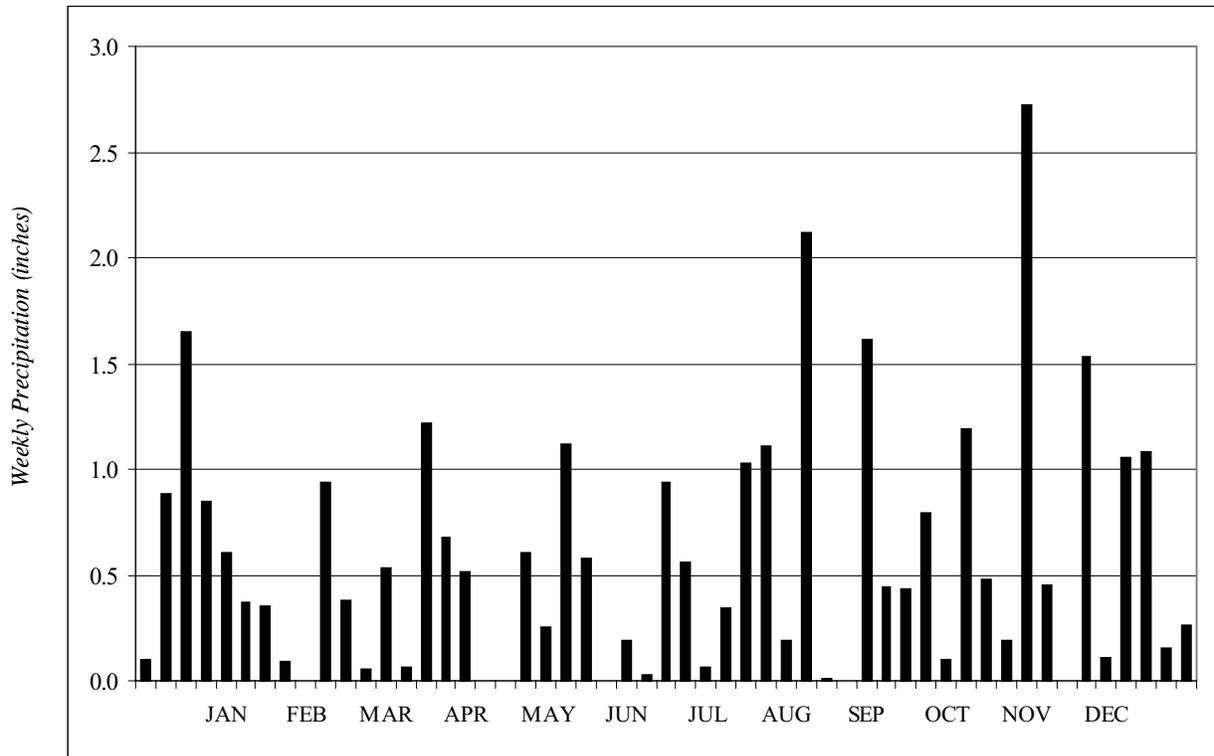
**WIND SPEED RANGE**

-  0.5 - 3.0 M/SEC
-  >3.0 - 6.0
-  >6.0 - 9.0
-  >9.0 - 12.0
-  >12.0

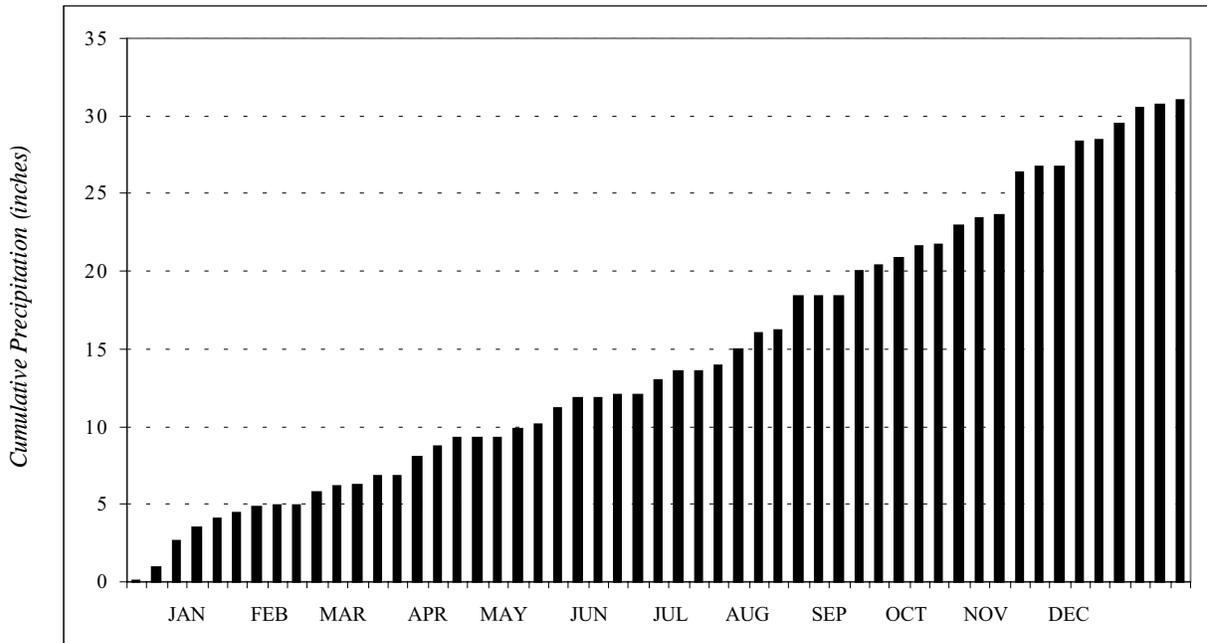
CALM <0.5

*NUMBERS INDICATE SECTOR MEAN WIND SPEED  
SECTORS ARE DIRECTIONS FROM WHICH THE WIND IS BLOWING*

West Valley Nuclear Services Co.  
 Primary Monitoring Station  
 West Valley, New York  
*Figure I-3*  
 60.0-Meter Wind Frequency Rose



**Figure I-4. 1999 Weekly Precipitation**



**Figure I-5. 1999 Cumulative Precipitation**

**Table I-1**  
**1999 Site Precipitation Collection Data**

<b>Week Ending</b>	<b>Weekly (inches)</b>	<b>Cumulative (inches)</b>	<b>Week Ending</b>	<b>Weekly (inches)</b>	<b>Cumulative (inches)</b>
Jan 01	0.10	0.10	Jul 02	0.94	12.97
Jan 08	0.88	0.98	Jul 09	0.56	13.53
Jan 15	1.65	2.63	Jul 16	0.06	13.59
Jan 22	0.85	3.48	Jul 23	0.34	13.93
Jan 29	0.60	4.08	Jul 30	1.03	14.96
Feb 05	0.37	4.45	Aug 06	1.11	16.07
Feb 12	0.35	4.80	Aug 13	0.19	16.26
Feb 19	0.09	4.89	Aug 20	2.12	18.38
Feb 26	0.00	4.89	Aug 27	0.01	18.39
Mar 05	0.94	5.83	Sep 03	0.00	18.39
Mar 12	0.38	6.21	Sep 10	1.61	20.00
Mar 19	0.05	6.26	Sep 17	0.44	20.44
Mar 26	0.53	6.79	Sep 24	0.43	20.87
Apr 02	0.06	6.85	Oct 01	0.79	21.66
Apr 09	1.22	8.07	Oct 08	0.10	21.76
Apr 16	0.68	8.75	Oct 15	1.19	22.95
Apr 23	0.51	9.26	Oct 22	0.48	23.43
Apr 30	0.00	9.26	Oct 29	0.19	23.62
May 07	0.00	9.26	Nov 05	2.72	26.34
May 14	0.60	9.86	Nov 12	0.45	26.79
May 21	0.25	10.11	Nov 19	0.00	26.79
May 28	1.12	11.23	Nov 26	1.53	28.32
Jun 04	0.58	11.81	Dec 03	0.11	28.43
Jun 11	0.00	11.81	Dec 10	1.05	29.48
Jun 18	0.19	12.00	Dec 17	1.08	30.56
Jun 25	0.03	12.03	Dec 24	0.15	30.71
			Dec 31	0.26	30.97

**Table I-2**  
**1999 Annual Temperature Summary at the 10-Meter Primary Meteorological Tower**

Month	Average Temperature		Maximum Temperature		Minimum Temperature	
	°C	°F	°C	°F	°C	°F
January	-4.7	23.5	13.7	56.7	-23.5	-10.3
February	-1.4	29.5	15.8	60.4	-17.8	-0.04
March	-2.1	28.2	15.9	60.6	-21.9	-7.4
April	9.2	48.6	18.5	65.3	-0.3	31.5
May	14.5	58.1	28.6	83.5	0.8	33.4
June	18.8	65.8	31.3	88.3	2.2	36.0
July	21.8	71.2	32.1	89.8	7.2	45.0
August	18.0	64.4	28.3	82.9	5.9	42.6
September	15.9	60.6	29.0	84.0	0.3	32.5
October	9.2	48.6	23.4	74.1	-3.4	25.9
November	6.0	42.8	20.6	69.1	-12.1	10.2
December	-0.9	30.4	17.9	64.2	-16.2	2.8
<b>Annual Average</b>	8.7	47.6	22.9	73.3	-6.6	20.2

**Table I - 3**  
**1999 Annual Barometric Pressure Summary**  
*(station pressure - inches of mercury)*

Month	Average Pressure	Maximum Pressure	Minimum Pressure
January	28.54	29.16	28.03
February	28.49	28.90	27.85
March	28.49	29.12	27.80
April	28.45	28.82	27.89
May	28.50	28.77	27.93
June	28.56	28.89	28.03
July	28.50	28.77	28.18
August	28.49	28.82	28.20
September	28.50	28.74	28.08
October	28.56	28.94	27.90
November	28.54	29.06	27.65
December	28.51	29.74	27.92
<b>Annual Average</b>	28.51	28.98	27.96